

REMARKS

Claim 14 has been amended so as to sharpen its definition of the invention relative to the cited references.

Reconsideration is accordingly respectfully requested, for the rejection of the claims as unpatentable over HETTINGA in view of SU et al.

According to the present invention, the mold cavity of the present invention is filled with liquid material at substantially constant pressure. This is possible and desirable, thanks to the nature of the material which fills the mold.

By contrast, in HETTINGA, the heat softened thermoplastic material is introduced into the mold so as to monitor the melt front according to variables which include varying the pressure according to a control algorithm which is pressure dominated. See, in HETTINGA, column 3, lines 3-5, 31-34, and 46; column 5, lines 38-40; column 7, lines 6-12, 19 and 20, and 24; and column 9, lines 10-17 and 28-30.

The amendment to claim 14 thus emphasizes the distinctions of the present invention over HETTINGA.

The patent to SU does not properly combine with HETTINGA, and even if combined, would not teach the present invention. In SU, there is no exact teaching on how to vary the flow rate and so there is nothing regarding flow rate and pressure that could be imparted to HETTINGA from SU. The idea of filling the mold with a liquid which will then thermoset, in

replacement of the thermoplastic material with which HETTINGA deals, is incompatible with HETTINGA, in which controlling the melt front is all-important. There is of course no melt front in SU (nor in the present invention) and so the use of a material as in SU or in a process as in SU, in HETTINGA, would be a fundamental distortion of the purpose and function of HETTINGA and so would not be permissible under U.S. patent standards. But again, even if made, the combination, as stated above, would not produce the present invention for the reasons given.

In view of the present amendment and the foregoing remarks, therefore, it is believed that this application has been placed in condition for allowance, and reconsideration and allowance are respectfully requested.

The Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 25-0120 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17.

Respectfully submitted,

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